Amendments to the Specification:

On page 6, please amend the paragraph spanning lines 11-20 as follows:

Data communication port 32 is coupled to processor 74 for two-way serial data transfer using, for example, an RS-232 protocol. A diagnostic display located on the AED housing includes features such as a rescue switch 40, rescue switch light 28, and resume switch 18. A voice circuit 94 is connected to a wireless transmitter 85. In response to voice prompt control signals from processor 74, voice circuit 94 and wireless transmitter 85 generate voice prompts over a wireless carrier (e.g., an IR or RF carrier) to a receiver embedded in a headphone 56 that can be worn by the responder. In addition, in some embodiments of the invention the voice circuit 94 may also be connected to a speaker [[34]] 41. The speaker [[34]] 41 may generate audible voice prompts that can be heard by responders not wearing the wireless headphone.

Page 8, lines 28 – page 9 line 3. Page 9, line 1 lines 86 - 19

Please amend the paragraph beginning on page 8, line 28 and continuing to page 9, line 3 as follows:

Throughout the analyze, charge and shock sequences, processor 74 monitors the impedance present across connector 58 to determine whether electrodes 50 remain properly positioned on the patient. If the monitored impedance is out of range (e.g., too high if the electrodes have come off the patient, or too low if shorted), processor 74 initiates the generation of a "Check Electrodes" voice prompt, and causes high voltage generation circuit [[86]] 19 to discharge any charge that may be present through internal load 98. Rescue mode operation will resume when processor 74 determines that the electrodes have been properly repositioned on the patient.

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